REMARKS

The claims have been amended by rewriting claims 1, 3, 4, and 8, canceling claim 2, 14-22, and adding no new claims. Claims 1 and 3-13 remain in the application. Reconsideration of this application is respectfully requested.

Drawings

Corrections to the drawings as required by the Examiner are enclosed for approval by the Examiner in the form of a replacement sheet.

Change to Claim 3

Claim 3 is changed by adding "RMS" after "0.01 microns". This is supported in the specification on page 6, lines 10-11.

Claim Objections

The Examiner objected to applicants' use of first surfaces and second surfaces referring to surfaces for differing layers that end up in differing orders within the claimed layered invention. The claims and specification have been modified to change all occurrences of the "first surface of the conductive metal foil" to the "second surface of the conductive metal foil", and all occurrences of the "second surface of the conductive metal foil" to the "first surface of the conductive metal foil".

Claims 1 and 2 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, the word "conductive" is removed as a descriptor of the metal support layer and added as a descriptor of the metal foil layer to provide correct antecedent basis and conform to usage in the specification.

Claim 2 is canceled. The Examiner's claim objections to claim 2 are thus overcome.

IN THE DRAWINGS:

Figures 2 and 4 are changed too enlarge the illustrations of layers 225 and 220 so as to clearly distinguish them from other layers and clearly distinguish surfaces 207, 212, and 221 from the layers. Item identifiers 200 and 400 have been added.

Claim Rejections - 35 U.S.C. § 103:

Claims 1-3 and 4-13 were rejected under 35 U.S.C. § 103 as being unpatentable over Kingon et al (US 6541137).

Claim 1

Applicant respectfully traverses the rejection of claim 1 in view of Kingon because Kingon does not describe a metal foil made using an inorganic release layer.

Applicant describes aspects of an inorganic release layer 215 at page 4, line 30 to page 5 line 9 in the amended specification as follows:

> At step **105** (FIG. 1) a metal support layer **205** (FIG. 2) and a conductive metal foil **210** (FIG. 2) are formed that are joined at a first surface of the metal support layer **205** and a second surface of the conductive metal foil **210** using an inorganic release material **215** (FIG. 2). This inorganic release material **215** retains its ability to separate the two metal layers **205**, **210** after exposure to high temperatures (used to add a crystallized dielectric layer to the peelable circuit board foil **200**, as described below with reference to FIGS. 3 and 4). The inorganic release material consists essentially of a co-deposited admixture of a metal and a non-metal, and may be formed using known techniques such as those described in US patent 6,346,335,B1 issued to Chen et al. on Feb. 12, 2002.

(Please note that the originally filed Information Disclosure Statement inadvertently listed this patent number as 6,346,355. A supplemental IDS is being submitted concurrently to correct this error.) Although U.S. Patent 6,346,335 B1 issued to Chen (hereafter, simply "Chen") describes an inorganic release layer between two foil layers, it should be noted that Chen does not teach the coating of a high temperature anti-oxidant barrier and that Chen teaches achieving a rough surface, thus teaching away from applicants' claimed invention. From this it can be seen that the surface roughness is not simply a design choice.

Claim 4

Applicant respectfully traverses the rejection of claim 4 in view of Kingon. The embodiment of the invention as claimed in claim 4 includes the inorganic release layer 215, thus distinguishing it from Kingon. The first crystallized dielectric oxide layer clearly distinguishes the invention of claim 4 from the description of Chen.

Applicants believe that independent claims 1 and 4 are patentably distinct in view of Kingon and the other art cited in this application, either singly or in combination, for the reasons cited above.

Claims 3 and 5-13

Applicants further believe that claims 3 and 5-13 are patentably distinct at least for the reason that they are dependent upon one of claims 1 and 4. Furthermore, at least some of claims 3 and 5-13 include descriptions that provide patentable distinction without reliance upon, or in combination with, the patentable distinction already inherent in amended independent claims 1 and 4.

Applicant notes that any amendments or claim cancellations made herein and not substantively discussed above are made solely for the purposes of more clearly and particularly describing and claiming the invention, and not for purposes of overcoming art. This comment pertains to all of the claim changes made by this amendment. The Examiner should infer no (i) adoption of a position with respect to patentability, (ii) change in the Applicant's position with respect to any claim or subject matter of the invention, or (iii) acquiescence in any way to any position taken by the Examiner, based on such amendments or cancellations not substantively discussed. Furthermore, any remarks made herein with respect to a given claim or amendment are intended only in the context of that specific claim or amendment, and should not be applied to other claims, amendments, or aspects of Applicant's invention.

Applicant specifically reserves the right to prosecute claims of differing and broader scope than those presented herein, in a continuation application.

Accordingly, this application is believed to be in proper form for allowance and an early notice of allowance is respectfully requested.

Please charge any fees associated herewith, including extension of time fees, to 502117.

Respectfully submitted,

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